

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Peter SATTLER et al.

Serial No. (unknown)

Filed herewith

INJECTION MOULDING DEVICE
COMPRISING VALVE PIN
POSITION INDICATOR

PRELIMINARY AMENDMENT

Commissioner of Patents

Washington, D.C. 20231

Sir:

Prior to calculation of the filing fee, please amend the above-identified application as follows:

IN THE CLAIMS:

Amend claim 4 as follows:

--4. (amended) Injection moulding device (1) according to claim 1, wherein the cylinder (15) comprises a height adjustment means (40), displaceable in the cylinder housing (30), for adjusting at least one of the end positions.

Amend claim 5 as follows:

--5. (amended) Injection moulding device (1) according to claim 1, wherein the flow detection means (58, 59) and a signal processing and/or display means (62) connected to the flow detection means are located at a distance from the mould body.

Amend claim 6 as follows:

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--6. (amended) Cylinder (15) for use in an injection moulding device according to claim 1, comprising a cylinder housing (30) having a first pressure medium inlet (38) connected to a first pressure medium duct (37) and a second pressure medium inlet (39) connected to a second pressure medium duct (56), and a piston (35) reciprocatable in the cylinder housing (30) between an upper end position and a lower end position, the piston being suitable to be coupled to the valve pin (11), characterised in that the piston comprises a fluid passage (55) via which pressure medium can pass when the piston is in a position between its upper and its lower end position, and which is closed off when the piston is in its lower and/or its upper end position.

R E M A R K S

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

4. Injection moulding device (1) according to any of the preceding claims claim 1, wherein the ~~cylinder~~ cylinder (15) comprises a height adjustment means (40), displaceable in the cylinder housing (30), for adjusting at least one of the end positions.

5. Injection moulding device (1) according to any of the preceding claims claim 1, wherein the flow detection means (58,59) and a signal processing and/or display means (62) connected to the flow detection means are located at a distance from the mould body.

6. Cylinder (15) for use in an injection moulding device according to any of the preceding claims claim 1, comprising a ~~cylinder~~ cylinder housing (30) having a first pressure medium inlet (38) connected to a first pressure medium duct (37) and a second pressure medium inlet (39) connected to a second pressure medium duct (56), and a piston (35) reciprocatable in the cylinder housing (30) between an upper end position and a lower end position, the piston being suitable to be coupled to the valve pin (11), characterised in that the piston comprises a fluid passage (55) via which pressure medium can pass when the piston is in a position between its upper and its lower end position, and which is closed off when the piston is in its lower and/or its upper end position.